Journal of Biotechnology, 10 (1989) 315–316
Elsevier

Author Index

Abuhasan, J., see Pellinen, J. (10) 161
Aoki, T., see Mizutani, A. (10) 121
Arnaud, A., see Naouri, P. (10) 135
Asakura, T., see Demura, M. (10) 113

Bailey, J.E., see Da Silva, N.A. (10) 253
Beppu, T., see Kim, Y.-M. (10) 293
Bourassa, J.-F., see Roy, D. (10) 227

Caunt, P., see Impoolsup, A. (10) 171
Chagnaud, P., see Naouri, P. (10) 135
Chang, H.-M., see Pellinen, J. (10) 161
Chang, H.-M., see Yin, C.-F. (10) 67
Chang, H.-M., see Yin, C.-F. (10) 77
Chopra, C.L., see Qazi, G.N. (10) 85
Christensen, B.E.
The role of extracellular polysaccharides in biofilms (10) 181

Da Silva, N.A. and Bailey, J.E.
Effects of inducer concentration on *GAL* regulated cloned gene expression in recombinant *Saccharomyces cerevisiae* (10) 253
Demura, M., Asakura, T., Nakamura, E. and Tamura, H.
Immobilization of peroxidase with a *Bombyx mori* silk fibroin membrane and its application to biophotosensors (10) 113

Ellis, B.E., see Quesnel, A.A. (10) 27

Flores, D.A.
Application of recombinant DNA to rumen microbes for the improvement of low quality feed utilization (10) 95
Francoeur, A.-M.
Biotechnology in forensic medicine: new ways of fingerprinting (10) 203
Friehs, K. and Lafferty, R.M.
Cloning and expression of the levanase gene in *Alcaligenes eutrophus* H16 enables the strain to hydrolyze sucrose (10) 285

Gallois, A., see Gross, B. (10) 303
Galzy, P., see Naouri, P. (10) 135
Glacken, M.W., Huang, C. and Sinskey, A.J.
Mathematical descriptions of hybridoma culture kinetics. III. Simulation of fed-batch bioreactors (10) 39
Greenfield, P.F., see Impoolsup, A. (10) 171
Groom, C.A., see Luong, J.H.T. (10) 241
Gross, B., Gallois, A., Spinnler, H.-E. and Langlois, D.
Volatile compounds produced by the ligninolytic fungus *Phlebia radiata* Fr. (Basidiomycetes) and influence of the strain specificity on the odorous profile (10) 303

Hardy, M.-J., see Roy, D. (10) 227
Hegde, M.V., see Shah, N.K. (10) 267
Hidaka, M., see Kim, Y.-M. (10) 293
Hikuma, M., see Tanabe, K. (10) 127
Huang, C., see Glacken, M.W. (10) 39

Impoolsup, A., Caunt, P. and Greenfield, P.F.
Effect of growth rate on stability of a recombinant plasmid during continuous culture of *Saccharomyces cerevisiae* in non-selective medium (10) 171
Inada, Y., see Mizutani, A. (10) 121
Iwasaki, Y., see Tanabe, K. (10) 127

Joyce, T.W., see Pellinen, J. (10) 161
Joyce, T.W., see Yin, C.-F. (10) 67
Joyce, T.W., see Yin, C.-F. (10) 77

Karube, I., see Tanabe, K. (10) 127
Kim, Y.-M., Hidaka, M., Masaki, H., Beppu, T. and Uozumi, T.
Constitutive expression of nitrogenase system in *Klebsiella oxytoca* by gene targeting mutation to the chromosomal *nifLA* operon (10) 293
Kochakian, C.D.
The role of technology in the delineation of the anabolic action of testosterone (10) 209
Koide, T., see Ohgai, H. (10) 151
Komoto, S., see Ohgai, H. (10) 151
Kondo, K., see Mizutani, A. (10) 121
Kothari, R.M., see Shah, N.K. (10) 267
Kumakura, T., see Ohgai, H. (10) 151

0168-1656/89/$03.50 © 1989 Elsevier Science Publishers B.V. (Biomedical Division)

Lafferty, R.M., see Friehs, K. (10) 285
Lagimonière, M., see Roy, D. (10) 227
Langlois, D., see Gross, B. (10) 303
Luong, J.H.T., Mulchandani, A. and Groom, C.A.
The development of an amperometric microbial biosensor using *Acetobacter pasteurianus* for lactic acid (10) 241

Masaki, H., see Kim, Y.-M. (10) 293
Mathieu, J., see Naouri, P. (10) 135
Matsuo, Y., see Ohgai, H. (10) 151
McGregor, W.C.
Concentration of L-phenylalanine with a reverse osmosis membrane (10) 277
Mizutani, A., Takahashi, K., Aoki, T., Ohwada, K., Kondo, K. and Inada, Y.
Synthesis of gefarnate with reusable lipase modified with polyethylene glycol (10) 121
Mourot, P., see Roy, D. (10) 227
Mulchandani, A., see Luong, J.H.T. (10) 241

Nakamura, E., see Demura, M. (10) 113
Naouri, P., Chagnaud, P., Arnaud, A., Galzy, P. and Mathieu, J.
Optimization of the conditions for preparing bacterial cultures for malolactic bioconversion (10) 135
Nehete, P.N., see Shah, N.K. (10) 267

Ohgai, H., Kumakura, T., Komoto, S., Matsuo, Y., Ohshiden, K., Koide, T., Yanaihara, C. and Yanaihara, N.
Production of rat epidermal growth factor by *Escherichia coli* cells containing a secretion plasmid (10) 151
Ohshiden, K., see Ohgai, H. (10) 151
Ohwada, K., see Mizutani, A. (10) 121

Parr, A.J.
The production of secondary metabolites by plant cell cultures (10) 1
Parshad, R., see Qazi, G.N. (10) 85
Pellinen, J., Abuhasan, J., Joyce, T.W. and Chang, H.-M.
Biological delignification of pulp by *Phanerochaete chrysosporium* (10) 161

Qazi, G.N., Verma, V., Parshad, R. and Chopra, C.L.
Plasmid-mediated direct-glucose oxidation in *Gluconobacter oxydans* (10) 85
Quesnel, A.A. and Ellis, B.E.
Comparison of UV irradiation and *p*-fluorophenylalanine as selective agents for production of aromatic compounds in plant cell cultures (10) 27

Roy, D., Lagimonière, M., Hardy, M.-J., Bourassa, J.-F. and Mourot, P.
Viability of an ectomycorrhizal fungus during cross-flow filtration (10) 227

Shah, D.N., see Shah, N.K. (10) 267
Shah, N.K., Shah, D.N., Upadhyay, C.M., Nehete, P.N., Kothari, R.M. and Hegde, M.V.
An economical, upgraded, stabilized and efficient preparation of amyloglucosidase (10) 267
Sinskey, A.J., see Glacken, M.W. (10) 39
SooMi, L., see Tanabe, K. (10) 127
Spinnler, H.-E., see Gross, B. (10) 303

Takahashi, K., see Mizutani, A. (10) 121
Tamiya, E., see Tanabe, K. (10) 127
Tamura, H., see Demura, M. (10) 113
Tanabe, K., Hikuma, M., SooMi, L., Iwasaki, Y., Tamiya, E. and Karube, I.
Photoresponse of a reconstituted membrane containing bacteriorhodopsin observed by using an ion-selective field effect transistor (10) 127

Uozumi, T., see Kim, Y.-M. (10) 293
Upadhyay, C.M., see Shah, N.K. (10) 267

Verma, V., see Qazi, G.N. (10) 85

Yanaihara, C., see Ohgai, H. (10) 151
Yanaihara, N., see Ohgai, H. (10) 151
Yin, C.-F., Joyce, T.W. and Chang, H.-M.
Kinetics of bleach plant effluent decolorization by *Phanerochaete chrysosporium* (10) 67
Yin, C.-F., Joyce, T.W. and Chang, H.-M.
Role of glucose in fungal decolorization of wood pulp bleaching effluents (10) 77

Journal of Biotechnology, 10 (1989) 317–318
Elsevier

Subject Index

Acetobacter pasteurianus, (10) 241
Activator gene, *nifA*, (10) 293
Alcaligenes eutrophus, (10) 285
Alkaloid, (10) 1
Amino acid, (10) 277
Amperometric, (10) 241
Anabolic action, (10) 209
Aromatic alcohol, (10) 303
Aromatic compound, (10) 27

Bacteriorhodopsin, (10) 127
Biodelignification, (10) 161
Biofilm, (10) 181
Biological treatment, (10) 67; (10) 77
Biosensor, (10) 241
Biotechnology, (10) 203
α-Bisabolol, (10) 303
Bleach effluent, (10) 77

Cell culture, (10) 1
Cell harvesting, (10) 227
Ceramic membrane, (10) 227
Chemical modification, (10) 121
Chemithermo-mechanical pulp, (10) 161
Cloned gene expression, (10) 253
Color removal, (10) 67
Cross-flow filtration, (10) 227

Death rate, (10) 39
Decolorization, (10) 77
Dehydrogenase, (10) 85
Derepression, (10) 293
DX hydrolysate, higher, (10) 267

Enzyme immobilization, (10) 113
Epidermal growth factor, (10) 151
Escherichia coli, (10) 151
Ester synthesis, (10) 121
Experiment design, (10) 135

Fed-batch bioreactor, (10) 39
Fingerprinting, (10) 203
p-Fluorophenylalanine, (10) 27
Flux decline, (10) 277
Forensic medicine, (10) 203
Fungus, (10) 67; (10) 77

GAL regulation, (10) 253
Gefarnate, (10) 121
Gluconobacter oxydans, (10) 85
Growth rate, (10) 171

Hybridoma, (10) 39

Inducer concentration, (10) 253
Infectivity, (10) 227
Ion selective field effect transistor, (10) 127
Isolation, (10) 277

Keto acid, (10) 85
Klebsiella oxytoca, (10) 293
Kraft pulp, (10) 161

Lactic acid, (10) 241
Lactobacillus, (10) 135
Leuconostoc, (10) 135
Levanase, (10) 285
Lipase, (10) 121
Low quality feed, (10) 95

Malolactic bioconversion, (10) 135
Membrane, (10) 277
Membrane separation, (10) 277
Microfiltration, (10) 227

Nitrogenase, (10) 293
Non-selective medium, (10) 171

Odorous volatile metabolite, (10) 303
Optimized production medium, (10) 267
Organ culture, (10) 1
Oxygen consumption, (10) 241

Peroxidase, (10) 113
Phanerochaete chrysosporium, (10) 67; (10) 161
Phenylalanine, L-, (10) 277
Phlebia radiata, (10) 303
Photosensor, (10) 113

0168-1656/89/$03.50 © 1989 Elsevier Science Publishers B.V. (Biomedical Division)

Plant cell culture, (10) 27
Plasmid, (10) 85
Polyethylene glycol, (10) 121
Polysaccharide, (10) 181

Recombinant DNA, (10) 95; (10) 151; (10) 285
Recombinant plasmid, (10) 171
Reconstituted membrane, (10) 127
Repressor gene, *nifL*, (10) 293
Resistance, (10) 27
Reverse osmosis, (10) 277
Rumen microbe, (10) 95
Ruminant, (10) 95

Saccharomyces cerevisiae, (10) 171; (10) 253
Secondary metabolite, (10) 1
Secretion, (10) 151
Selection, (10) 27
Signal sequence, (10) 151
Silk fibroin membrane, (10) 113
Simulation, (10) 39
Stability, (10) 171
Stabilized amyloglucosidase preparation, (10) 267
Steroid, (10) 1
Strain specificity, (10) 303
Sucrose hydrolysis, (10) 285
Synthetic gene, (10) 151
System design, (10) 277

Technology, (10) 209
Terpenoid, (10) 1
Testosterone, (10) 209
Transglucosidase-free-amyloglucosidase, (10) 267

UV, (10) 27

Variant, (10) 27
Vesicle, (10) 127
Viability, (10) 227
Vitamin C, (10) 85

White-rot fungus, (10) 161